DYNAMIC MEMORIES ™

MARCH

```
                   ???????



         *                    ?                    *
           *                  ?                  *
             *                ?                *
               *              ?              *
                 *            ?            *
                   *          ?          *
                   <<<<<<<<

                   [  0   0  ]

                   /   >   /

                   -  ( )  -

                   . . . .
```

Moi? Mais oui, je suis le artiste modèle trois
Le IBM? Je ne le connais pas.

SOUTH BAY TRS-80 USERS GROUP

SBUG meetings are held the 3rd Tuesday of each month in the
north-east corner of Dysan's building at:

                                   5401 Patrick Henry Drive
    Time - 7:15 to 10:30 PM   Santa Clara, Ca

            March 20, April 22, and May 24

Topic of the month: Not yet revealed by the Great Computer
God who is currently contemplating his navel (located right
next to the reset button, and sometimes confused with it).

Also!!! Don't forget the SIG group that meets at Dysan the
first Wednesday of each month (March 7th). The Model 100 is
popular at this meeting. See you there!!!

■■

MEMBERSHIP

If you would like to become a member of SBUG and start
receiving our newsletter "Dynamic Memories" then send
$18.00 (check/money order) to the following address:

            South Bay TRS-80 User Group
            P.O. Box 60116
            Sunnyvale, Ca 94088

or come to one of our meetings. If you also wish to
communicate with our bulletin board system (SBUG-80) then
include an additional $25.00 for an account on the system.
You must be a member of SBUG to have an account on SBUG-80.
Please, include your address and phone number. Thanks . . .
■■

YOUR STEERING COMMITTEE

Member	SBUG-80 Username	Phone
Discussion Leaders:		
Sabri Kawash	(SABRI)	
Eric Brewer	(BREWER)	(408) 252-9332
Casey Parker	(CASEY)	(415) 793-2715
Treasurer:		
Glenn Vaughn	(TREAS)	(408) 259-5349
Newsletter Editor:		
Joel Lee	(EDITOR)	(408) 926-3999
Assistant		Editor:
Chuck Ward	(CHUCK)	(408) 245-7688
Librarians:		
(disc) Bernie Thompson	(BERNIE)	(408) 867-7455
(tape) Gary Dixon	(GDIXON)	(408) 262-6937
(doc.) Bill Jibby	(JIBBYTRM)	(408) 268-0181
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If the need arises, feel free to give one of us a call.

THE EDITOR'S BYTES

My wife firmly believes that hardware manufacturers and software producers are united in a giant conspiracy to take from us computer hobbyists the very last of our tattered, grubby money, giving in return nothing but useless technology. Of course my wife is Latin American, and Latin Americans, when they are not busy seeing conspirators concealed behind park bushes or lurking under restaurant tables, are frantically conspiring.

Segue into whither we goest. Knowest thou? The Model I is ancient now, honored, but ancient. Surely, 40 years from now a monk on the windswept plains of Tibet will be attempting to write a program on his Model I that will reveal his karma, but for here and now, the end is in sight. The Model III will follow the same trail, Apparat no longer supports NEWDOS, so what computer and DOS will YOU be working with?

SOUTH BAY TRS-80 USERS GROUP

CONVERSION--MOD III TO I

BY GEORGE E. OLSON

We know that Mod. I programs may be converted to a
Mod. III, however there have been some doubts about
converting Mod. III to Mod. I. This may be accomplished
with the aid of DOSPLUS 3.5. First boot up DOSPLUS 3.5,
then enter the following command:

CONVERT :1 :0,E,MOD1=N

Quoting from DOSPLUS page #3-7: "By specifying
<MOD1=N>, we inform CONVERT that the diskette to be
converted is NOT a Mod. I double density TRSDOS, and
therefore must be a Mod. I TRSDOS.

I have converted several disks without any problems.
The only problem that may occur is in case the program was
written for Mod. III.

HOW SPEEDSW/CMD WORKS
by Pete Fratus, South Bay TRS-80 Users Group

There have been about a dozen letters and hints sent
to the TRS-80 magazines about how to make your Model 4 run
at 4MHz in Model III mode. None has given a solution to
the occasional disk crashes caused by running at a faster
speed during disk I/O. Ian Webb wrote a small program to
handle the disk problem. From Ian's earlier work, I
borrowed the code to make an enhanced version that handles
another problem -- how to get back to III speed without
booting.

Why would I want to run in the slower Model III speed
anyway? Several times I have run into an application that
doesn't work well in the faster speed, such as the BASIC
full screen editor from CAU. XEDIT allows configuration of
key repeats. When a fast repeat is chosen and I am running
at 4 speed, it is difficult to move the cursor only one
character at a time.

That makes editing tough!

Cassette loading and some games can also be a problem.
Just about anything that runs off the clock works
differently and sometimes not at all.

SPEEDSW/CMD is a small assembly language program that
switches back and forth between Model III and Model 4
speed. It uses the same technique described in the Model
III/4 Disk System Owner's Manual on page 80, Operating
Speed.

By PEEKing or POKEing location 16912,(ORing) or (ANDing) a 64 or 191 to it, and OUTputting to port 236, the clock speed is changed back and forth from III to 4. The switching function of the program relies on the fact that the speed is always going to be one or the other. Just find out what it is now, and make it the opposite.

The disk timing part was a little trickier. Ian's program was loading a value into part of TRSDOS. I spent quite a while figuring out just exactly what he was doing. In the book, TRSDOS COMMENTED, the code at location 4400H is labelled "Twiddle some electronic thumbs." This is a delay routine for disk I/O. When the speed is changed to 4MHz, the time spent executing these instructions is cut by roughly one half and, on occasion -- the disk becomes garbaged.

The method used to fix this was to substitute instructions that would take about twice as long, so that cutting the time in half would get it back to normal even though the CPU work was still faster.

To switch back to Model III speed, I replaced those original instructions. Examine the source listing for SPEEDSW/CMD. At lines 180-200, the code at the disk timing location (4400H) is loaded and compared to the value of the longer instructions. If the longer instructions are already there, they need to be replaced with the original shorter ones, so go to MKSHRT at line 330.

When the timing codes are the long ones, they are overlayed with shorter codes, two at a time, in lines 330-420. The count starts at eight, and is decremented by one, twice during each loop.

The only other possibility is that they are already the original ones, so make them longer at lines 210-270. It takes eight of them to cover up the old code. Notice that the count starts at eight and is decremented by one for each loop until the count is zero.

The assembly language equivalent of the PEEKing, ANDing and or ORing, and POKEing is done in two places. Depending on whether I am speeding up (ORing) or slowing down (ANDing), I execute the code at 280-320 or 430-470, respectively.

Each piece gets the old value, makes the changes, puts it back, outputs to the port, and returns to the calling program.

The /CMD file method has worked well for me, but I wanted to be able to change the speed on the fly from within BASIC. The load address of ED1OH was a good place for my use, but the code is location independent, so you

- 4 -

can move it anywhere.

The program can be loaded and jumped to in BASIC with CMD "L","SPEEDSW/CMD", DEFUSRO=&HED10, X=USRO(0). Remember to protect high memory for the location you choose. It loads and runs a lot faster if it is resolved into decimal numbers and POKEd into a magic array. Magic arrays are strings you can execute. They have been explained in many 80-MICRO, Computer User, and Basic Computing articles, as well as BASIC Faster and Better.

```
00010;SPEEDSW - SWITCH MODEL 4 (IN III MODE) TO 4MHz
00020;  PETE FRATUS                  JANUARY 27,1984
00030;USING THE CURRENT TIMING CODE AS A REFERENCE, THIS
00040;PROGRAM TOGGLES BETWEEN III SPEED AND 4 SPEED.
00050;I USE IAN WEBB'S METHOD OF DISK SLOW DOWN GOING
00060;TO  4 MHz.  AT 4400H, THERE IS A  SERIES  OF
INSTRUCTIONS
00070;TO PROVIDE DISK TIMING. HE REPLACES THEM WITH SLOWER
00080;INSTRUCTIONS.  WHEN  GOING  BACK  TO  III SPEED,  I
REPLACE
00090;PUT BACK THE ORIGINAL INSTRUCTIONS.


00100;*** NOTE *** THE FORMAT OVERLAY CONTAINS THE SAME SET
00110;OF TIMING INSTRUCTIONS; I WOULD NOT RUN IN 4 SPEED
00120;WHEN FORMATTING!
00130;
00140;THIS PROGRAM IS RELOCATABLE BECAUSE NO LOCAL STORAGE
00150;IS USED.
00160;
00170            ORG     OED1OH      ;START LOCATION
00180 START  LD      A,(DISK)    ;GET TIMING INSTR
00190            CP      LONGER      ;IS IT LONG?
00200            JR      Z,MKSHRT    ;IF YES, MAKE SHORTER
00210            LD      A,LONGER    ;ELSE, GET LONG CODE
00220            LD      HL,DISK     ;SET HL TO CODE ADDR
00230            LD      B,EIGHT     ;SET LOOP COUNT
00240 LLOOP  LD      (HL),A      ; PUT IN LONG CODE
00250            INC     HL          ; NEXT ADDRESS
00260            DEC     B           ; COUNT - 1
00270            JR      NZ,LLOOP    ;LOOP UNTIL 8 ARE DONE
00280            LD      A,(SPEED)   ;GET OLD SPEED
00290            OR      BIT6        ;TURN 4 SPEED BIT ON
00300            OUT     (PT236),A   ;TELL CPU WHAT YOU DID
00310            LD      (SPEED),A   ;PUT NEW SPEED BACK
00320            RET                 ;GO BACK TO DOS OR BASIC
00330 MKSHRT LD      DE,SHRTER   ;GET SHORT CODE
00340            LD      HL,DISK     ;GET CODE ADDRESS
00350            LD      B,EIGHT     ;SET LOOP COUNT
00360 SLOOP  LD      (HL),D      ; PUT SHORT CODE IN ADDR
00370            INC     HL          ; NEXT ADDRESS
00380            DEC     B           ;.COUNT - 1
00390            LD      (HL),E      ; PUT OTHER SHORT CODE IN
```

```
00400          INC    HL        ; NEXT ADDRESS
00410          DEC    B         ; COUNT - 1 AGAIN
00420          JR     NZ,SLOOP  ;LOOP UNTIL 8 ARE DONE
00430          LD     A,(SPEED) ;GET OLD SPEED
00440          AND    NOT6      ;SET 4 SPEED BIT OFF
00450          LD     (SPEED),A ;PUT NEW SPEED BACK
00460          OUT    (PT236),A ;TELL CPU YOU DID IT
00470          RET              ;GO BACK TO DOS OR BASIC
00480 EIGHT    EQU    0008H
00490 BIT6     EQU    0040H     ;MASK 01000000
00500 NOT6     EQU    00BFH     ;MASK 10111111
00510 LONGER   EQU    00E3H     ;OPCODE EX (SP),HL
00520 SHRTER   EQU    0F5F1H    ;OPCODES PUSH AF, POP AF
00530 PT236    EQU    00ECH     ;PORT 236
00540 SPEED    EQU    4210H     ;LOCATION OF SPEED BIT
00550 DISK     EQU    4400H     ;LOCATION OF TIMING CODE
00560          END    START
```

OF MANUALS AND MYSTERIES
BY JOEL LEE

You just bought a beautiful new program. It does all
those things you've been dreaming of doing, faster and
better. It's supposed to do some things you HADN'T dreamt
of doing. You boot up the program--ah-h-h, lovely. You
open the manual.
****

An hour later you emerge from the murky depths of the
manual shaking your head like a wounded buffalo. Your new
program does all kinds of wonderful things, but---how do
you achieve them? An Egiptologist would circle this manual
3 times before approaching it. Baffled and weary you pick
up your favorite computer magazine and !what luck!! There,
an advertisement for a book that explains the manual for
your beautiful, new program. $24.95, plus shipping and
tax, but this is no time to be paltry.

Three weeks later the book arrives. You grab it like
a cannibal siezing a shipwrecked sailor. Pages and pages
AND pages of explanation. After a week and hours of study
the program is working. But it limps, it sputters, it's
not quite the beautiful thing it could be. Then your eye
falls upon an ad in your second favorite computer magazine.
You know the rest. You guessed it. You buy the book that
explains the book that explains the manual for your
beautiful program. $24.95. Plus $4.90 shipping. Plus
tax.

<Message from JIMDINK at SBUG-80 02/19/84 10:20:19>
RE: IS THERE A DISK EMULATOR FOR THE MODEL I?
Read command :

HAVE NEED TO FIND AND INSTALL A DISK EMULATOR ONTO
MY MODEL I (LNW) AS THE TYPE OF OF WORK THAT I AM
DOING ON SHORT LETTERS IS JUST TAKING 60% OF MY
TIME TO DO NOTHING BUT MASHING FLOPPYS. HAVE NOT
BEEN SUCESSFUL IN LOCATING THE REQUIRED MATERIAL FOR
THE MODEL I. AM ALSO INTERESTED IN ANYONE'S OPINION ABOUT
AND EXPERIENCE IN THE USE OF THESE DEVICES. IS THERE
MORE THAN ONE AVAILABLE?
....
WOULD APPRECIATE A CALL AT (415) 493-9307 IF YOU HAVE ANY
INFO. WOULD APPRECIATE A CALL AT (415) 493-9307 IF YOU CAN
LEND SOME INSIGHT. SORRY, CAN'T BE AT TUESDAY
NIGHT'S MEETING BECAUSE OF PRIOR COMMITTMENT.
....
YOUR THOUGTS PLEASE.....

Read command :

<Message from JIMDINK at SBUG-80 02/19/84 10:27:17>
RE: REPAIRS OF TI SILENT 700 MODEL 743 KSR EIA/TTY
Read command :

WHOM CAN YOU RECOMMEND TO REPAIR TWO OF THE ABOVE ITEMS
ON AN EXPEDITED OR ONE WEEK TURNAROUND BASIS?
....
ONE UNIT DID NOT RETURN AFTER A POWER OUTAGE AND I SUSPECT
POWER SUPPLY PROBLEMS.
....
THE OTHER UNIT SEEMS TO HAVE A WEAK STAPPER MOTOR IN THE
HEAD DRIVE MECHANISM AND NEEDS ADJUSTMENT IN THIS AREA.
....
IN ADDITION, THIS PERSON WANTS TO BUY AN ADDITIONAL
SILENT 700 OR EQUIVALENT.
....
YOUR THOUGHTS TO: JIM DINKEY
.... (415) 493-9307
......ENTERED SUNDAY 10:40 AM
THANKS FOR YOUR HELP.

Read command :

<Message from PHANTOM at SBUG-80 02/19/84 20:38:13>
RE: WHAT IS CREF80/CMD ?
Read command :

HI ALL,
          CAN SOMEONE OUT THERE HELP ME AND TELL ME WHAT
CREF80/CMD IS AND HOW OR EVEN WHEN TO USE IT? I FOUND IT
ON A DISK I PURCHASED AT THE SWAP MEET AND CAN FIND NO DOC
ON THE PROGRAM. IF SOMEONE WOULD LEAVE ME A NOTE I WOUULD
GREATLY APPRECIATE IT
                              THANKS PHANTOM
                              ALIAS RICHARD

<Message from BENSING at SBUG-80 02/03/84 19:28:34>

RE: MODEL IV INTERNAL SPEAKER
Read command :

   I HAVE A FRIEND WITH A MODEL IV. HE HAS HAD IT SINCE
THE BEGINNING OF JANUARY AND DOESN'T HAVE ANY DRIVES
YET.   RIGHT NOW HE HAS A QUESTION ABOUT THE INTERNAL
SPEAKER. HOW IS THE SPEAKER ENABLED (OR DOES IT EVEN
COME INSTALLED FROM THE SHACK) ?
ANYBODY GOT AN ANSWER ?

                      BOB >BENSING<

Read command :

<Message from JIBBYTRM at SBUG-80 02/04/84 12:56:43>
RE: Visicalc for Newdos80
Read command :

Help !!!

    I have made the necessary Zaps to VC/cmd that
were described in the Newdos80 zap information
but there seems to be a problem. When you get
into the STORAGE section and want to scan the
drives for files with /VC as the extent it doesn't
find them. Are there zaps that will make this
work ? Are there any other problems or Zaps that
are not discussed in the Newdos80 zaps that are
needed in VC/CMD for MODEL I. By the way, what
are the differences between the MODEL III and
MODEL I Visicalc programs ?? I don't want to use
TRSDOS unless I have to.

                   Thanks All
                   Jibbytrm

Read command :

<Message from ROGERAND at SBUG-80 02/04/84 15:27:14>
RE: MODEL 100 DISK
Read command :

I WAS IN A RADIO SHACK STORE TODAY AND THEY WERE
TALKING ABOUT DISK DRIVES FOR THE MODEL 100.
 DRIVES WILL BE APPROX $250.00
 REQUIRED INTERFACE $750.00
THE INTERFACE WILL ALLOW USE OF A VIDEO MONITOR.
 INTERFACE? SHADES OF MODEL 1!
 LAST WEEK AT THE SWAP MEET IN SAM MATEO I SAW A NEC
 NOTEBOOK COMPUTER HOOKED TO A DISK DRIVE AND RUNNING
A COLOR MONITOR VIA AN INTERFACE.
 I HOPE POPPA SHACK HAS SEEN FIT TO INCLUDE COLOR.

Read command :

<Message from KURT   at SBUG-80 02/05/84 15:11:22>

SOUTH BAY TRS-80 USERS GROUP

RE: MOD.3 to 4 CONVERSION
Read command :

HAS ANYONE HAD A THREE COVERTED TO A 4 BY RS. IF SO
HOW HAS IT WORKED??? ETC. PLEASE LET ME KNOW
   CURT SCHILD   448-0448
KURT

Read command :

<Message from IANWEBB at SBUG-80 02/05/84 17:22:21>
RE: MODEL 4 INFORMATION---3--->4 CONVERSION
Read command :

You don't have an internal speaker unless you have a disk
machine with the Model 4. It is an addition that is put
in when you upgrade to disk drives.
When R/S converts a Model III to Model 4, they use your
Model III disk drives and controller. They replace
everything else EXCEPT the case of your machine, so for
all practical purposes, it IS a Model 4. You also have
an advantage in that you have two internal supplies and
the Model 4 has a power supply droop when you access
disk drives which causes the CRT to shrink slightly. With
the dual Model III supplies, this doesn't happen.
Why not talk to Bruce Carso at B&C Computervisions about
a conversion. It is identical and cheaper.

Read command :

<Message from LNW2MDX at SBUG-80 02/05/84 17:43:47>
RE: AIR TOOLS
Read command :

IF ANYONE OUT THERE HAS ANY AIR TOOLS THAT ARE NOT
NEEDED I WOULD BE IN THE MARKET FOR THEM IF THE $
ARE RIGHT...
CALL ME AT 408 734-0898 OR LEAVE A MESSAGE ON THE BBS
ASK FOR SAM.....
                        << LNW2MDX >>

Read command :

<Message from RON   at SBUG-80 02/06/84 13:38:24>
RE: HOLMES MOD 1 RS232 / LNW E/I MOD
Read command :

THE GUY WHO RUNS 'DISK BYTERS' BBS IN
FREMONT GOT HOLMES COMPLETE E/I FOR MOD 1
BUT BAUD RATE IS SET BY DIP SWITCHES,
MAKING HIS 1200/300 BAUD BBS NO LONGER
PROGRAM SWITCHABLE TO 1200. THERE WAS
AN ARTICLE ABOUT ADDING A CHIP TO THE
LNW MOD 1 E/I (HAS SAME DIP SW.) TO MAKE
BAUD RATE PROGRAMMABLE LIKE REAL R/S
IN SOME MAGAZINE, BUT I CAN'T FIND IT.

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DOES ANYONE KNOW WHAT MAG/ISSUE?

Read command :

<Message from RON   at SBUG-80   02/06/84 13:43:44>
RE: MOD 100 HOLMES STRINGY REVIEW
Read command :

I RAN INTO DAN ROBINSON WHO IS DOING
THE REVIEW OF HOLMES STRINGY FLOPPY ($350)
FOR MOD 100. HE MENTIONED ONE POINT HE
THOUGHT WAS *VERY* BAD: IT CAN ONLY
SAVE/LOAD .DO TEXT FILES; *NO* .BA .CO
YOU MUST SAVE THE BASIC AS ASCII FIRST
&WAIT (A LONG TIME) FOR BASIC TO 'EAT'
THE ASCII WHEN LOADING. (DEVICE CAME FROM
80 MICRO; REVIEW IS FOR THEM & INFOWORLD;
DAN WAS AT SAN BRUNO TRS/IBM CLUB 1ST TH)

Read command :

<Message from RON   at SBUG-80   02/06/84 13:54:50>
RE: 80 TRACK DBL SIDED $149 NEW
Read command :

THERE'S ONE LEFT TM100-4 TANDON BARE DRIVE.
$149 (UNLESS PHANTOM DECIDES TO TRADE HIS
TM100-2 FOR IT). WHITE FRONT (NOT BLACK).

Read command :

<Message from GLENN   at SBUG-80   02/06/84 15:48:14>
RE: BAUD RATE AND LNW E/I
Read command :

I can't remember which issue it was in (80 MICRO) BUT!!
the mod as given was NOT COMPATIBLE with the RS method
of changing baud rate.
                              Glenn

<Message from GLENN   at SBUG-80   02/06/84 18:36:59>
RE: NEED HELP TESTING BBS
Read command :

I am testing a new (for me) BBS system -TBBS and
need help testing it - if you can call between 7:00
and 9:00 tonight, I would appreciate it greatly.
the number is (408) 942-8164 300 baud only.
                              Glenn

Read command :

<Message from GLENN   at SBUG-80   02/08/84 18:54:37>
RE: STILL TESTING THE BBS
Read command :

I am still testing the TBBS system - it will be up from
8:00 p.m. to 8:00 a.m. tonight so please give it a call.
The number is (408) 942-8164 - 300 baud only!!! the modem
will answer 1200 baud but will be unable to communicate.
                                        Glenn

Read command :

<Message from IANWEBB at SBUG-80 02/10/84 21:27:55>
RE: SCHEMATIC/MANUAL FOR TM100-4
Read command :

DOES ANYONE HAVE A SCHEMATIC OR BOOK FOR THE 80 TK
DOUBLE SIDED TANDON TM100-4? WOULD SURE LIKE TO
BORROW IT. IAN - 867-9533.

Read command :

<Message from IANWEBB at SBUG-80 02/10/84 21:29:49>
RE: DRIVES FOR $25 AND $75.
Read command :

WW SURPLUS/ COMPONENT SALES ON JUNCTION AVENUE ABOUT ONE
BLOCK SOUTH OF BROKAW HAS MPI B-51 DRIVES.
$25 EACH FOR AS-IS NEED REPAIR, BUT ALL THERE.
$75 EACH FOR CHECKED OUT AND GUARANTEED 90 DAYS.
HAD A LOT OF THEM, BUT IF YOU WANT TO TRY TO MAKE A GOOD
ONE OUT OF A COUPLE OF BAD ONES, PROBABLY SHOULD LOOK AT
THEM SOON.

<Message from IANWEBB at SBUG-80 02/15/84 05:40:39>
RE: MODEL III FOR SALE + MX 80
Read command :

I know someone with a little-used Model III and MX80
which he wants to sell. Has used them less than 25 hours
all total probably.
Is interesting in selling the pair. Asking $1400, but
will discuss price.
Call (evenings probably best) 246-8984.

Read command :

<Message from BARRY   at SBUG-80 02/15/84 08:28:13>
RE: DYNAMIC MEMORIES VIA BBS
Read command :

How about putting DYNAMIC MEMORIES onto a disk for down-
loading? In that way SBUG can save the cost of mailing to
those of us who would just as soon take MEMORIES of the
board. Anyone else have any thoughts on this???

                        BARRY

Read command :

<Message from PHANTOM at SBUG-80   02/15/84 09:30:49>
RE: FOR SALE 6800 SWTPC FLEX SYSTEM
Read command :

Hi all,
    I have for sale a good starter system. It is not
a glamorous TRS-80 but it is a disk based system. I
would recommend it for a hardware type person. It
is complete with all the hardware documents spare memory
boards and parts and pieces would cost $$ if purchased
seperately. I am asking about $650.00. I have voice
synthesizer for it also.
6800 24k memory 5 RS232 ports 1 parrallel VS-SC01 DISK
software and more call for details.
                              Phantom
                         Alias   Richard
                          at 984-8779
                          or 248-8770 work

Read command :

<Message from SAMBROWN at SBUG-80   02/18/84 10:34:17>
Read command :

HI, I HAVE RECEIVED THE IBM TO TRS-80S AND VICE-VERSA
PROGRAM AND IT ALSO CONTAINS THE COCO TO TRS-80S PROGRAM
WITH IT. IT WORKS WELL AND IS WORTH THE 54.00$ SPENT. BUT
A WARNING TO THE COCO PEOPLE:::::IT DOES NOT TAKE TAKE THE
COCO TO IBM AS ADVERTISED:::::::::: THIS WAS ADVERTISED VERY
HEAVILY AND THEY THOUGHT IT COULD BE DONE, AT ADVERTISENG
TIME IT WAS PUBLISHED THAT WAY. DONT BUY IT FOR TRYING TO
USE WITH THE IBM-COCO. IT HANDLES BOTH MS-PC DOS 1.0 VERY
WELL AND BRINGS THE OLD MODEL 1-3 UP WITH THE NEW MACHINES
IT DOES HAVE HARDWARE RESTRICTIONS.

Read command :

<Message from SAMBROWN at SBUG-80   02/18/84 10:37:16>
Read command :

WE RECEIVED THE LATEST VERSION OF HYPERZAP 3.0 AND ITS
WELL WORTH THE 15.00$. IT MAKES MOST OF THE MANUAL COMMANDS
AUTOMATIC AND LISTS THE RESTRICTIONS OF THE PROGRAM TOO. IT
DOES HAVE A LOT OF OTHER FUNCTIONS TOO.

Read command :

<Message from SAMBROWN at SBUG-80   02/18/84 10:42:29>
Read command :

IF YA ALL NEED DOCUMENTATION OR PROGRAMS AND CANT FIND
ANY ARROUND THE CLUB, YA MIGHT GIVE ME A CALL. WE DO HAVE
THE LARGEST SELECTION OF TRS-80 PROGRAMS AT THE HOUSE, AND
WILL ALWAYS BE WELCOME TO USE THEM. IT DOES NOT MEAN YA
HAVE TO AFFILIATE YOURSELVES WITH MY CLUB   IM STILL A

MEMBER IN GOOD STANDING WITH S-BUG. AS A MEMBER SINCE 1979
I HAVE A WIDER VIEW OF THE CLUB AND ITS CAPABILITIES. CALL
IF YA CANT FIND YOUR PROGRAMS OR DOCUMENTATION, I'LL BE
GLAD
TO SHARE WITH YA.

Read command :

<Message from MARRAZZO at SBUG-80   02/18/84 17:36:28>
RE: VIDEO GAME
Read command :

HELLO I JUST WENT THROUGH MY JUNK AND FOUND
A BALLEY ARCADE GAME WITH SEVEN CART.
ONE OF THEM IS THE BASIC CART. IF ANYONE
IS INTERESTED IN IT GIVE ME A CALL AT
HOME TTHE NUMBER IS 238-5189. I AM ASKING
50.00 FOR IT. IF I REMEMBER RIGHT IT HAD SOME
PROBLEM RUNING AFTER IT
WARMED UP. BUT AT 50.00 YOU MAKE IT RUN
                  JOE MARRAZZO
                  (MARRAZZO)

I am still testing the TBBS system - it will be up from
8:00 p.m. to 8:00 a.m. tonight so please give it a call.
The number is (408) 942-8164 - 300 baud only!!! the modem
will answer 1200 baud but will be unable to communicate.
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$25 EACH FOR AS-IS NEED REPAIR, BUT ALL THERE.
$75 EACH FOR CHECKED OUT AND GUARANTEED 90 DAYS.
HAD A LOT OF THEM, BUT IF YOU WANT TO TRY TO MAKE A GOOD
ONE OUT OF A COUPLE OF BAD ONES, PROBABLY SHOULD LOOK AT
THEM SOON.

<Message from IANWEBB at SBUG-80   02/15/84 05:40:39>

RE: MODEL III FOR SALE + MX 80
Read command :

I know someone with a little-used Model III and MX80
which he wants to sell. Has used them less than 25 hours
all total probably.
Is interested in selling the pair. Asking $1400, but
will discuss price.
Call (evenings probably best) 246-8984.

Read command :

<Message from DURANT   at SBUG-80   02/23/84 17:58:17>
RE: MODEL I WANTED
Read command :

Hi All
    A friend of mine is looking for a Model I, Level II
Machine with a 'G' board (one with two rom chips). If
you have one for sale for or know of someone who does
please give John Rovner (415) 489-4058 a call. He can
be reached at this number any day after 2 P.M.
                        John Durant   (Durant)

Read command :

<Message from MANGR   at SBUG-80   02/23/84 18:58:15>
Read command :
ANYONE THAT MAY HAVE DOCUMENTATION ON PROFILE V3.2 PLEASE
CALL JIM, (408) 246-5286

Read command :

<Message from ROGERAND at SBUG-80   02/24/84 21:43:56>
RE: DRIVES FOR SALE
Read command :

A FRIEND HAS THE FOLLOWING FOR SALE.
    2---5 1/4 DOUBLE DENSITY SINGLE SIDED
        BASF DRIVES
    1---PERCOM SEPERATOR FOR MODEL I
        (THIS IS NOT A DOUBLER)

Read command :

<Message from ROGERAND at SBUG-80   02/24/84 21:45:37>
RE: OOOOPS MORE ABOUT PREVIOUS MESSAGE. THE SELLER,   ROBERT
HANSLEMANN (415)591-1193

From Editor:The Computer Faire RAG has a good article on
public domain software on page 5. It might be interesting
to see how much of that mentioned in the article we have
and to make an effort to obtain what we do not have.

South Bay TRS-80 Users Group
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FIRST CLASS MAIL